

# BIRCHER

Reglomat



sensing the future



## Hercules 2s

New & improved

Microwave motion sensor for industrial doors & gates

Simple, proven, versatile

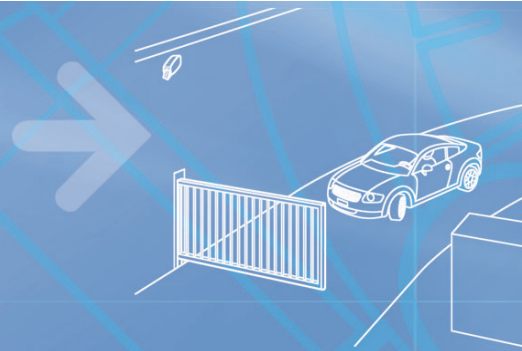
- User-friendly sensor: easy to install & operate
- Two completely independent programmable outputs
- Quick reaction time is ideal for high-speed doors
- Pulse on exit feature for additional applications
- Differentiates between people & vehicles

For more information, visit [www.devancocanada.com](http://www.devancocanada.com)

# Hercules 2s

## Microwave Motion Sensor for Industrial Doors & Gates

We took our top-selling Hercules 2 microwave motion sensor and made it even easier to install & operate. Updates designed to improve ease of use include two completely independent programmable outputs that allow for even more versatility & flexibility. The function menus have been simplified for easier programming and most features can be selected with fewer keystrokes on the RC Duo 2 bi-directional remote control. Hercules 2s is your reliable and user-friendly choice for a wide range of industrial door & gate activation applications.



### Key Features

- NEW** Two completely independent programmable outputs for endless application scenarios
- NEW** 23' (7 m) long cable for maximum installation flexibility
- NEW** 6-wire cable using traditional wire colors & thicker wire gauge for easier installation
- NEW** Pulse on exit feature closes the door at the right time, every time
  - Differentiation between pedestrian and/or vehicle traffic
  - Detects traffic moving toward and away from the door
  - Cross-traffic optimization prevents unwanted opening
  - Mounting height range of 6'6" to 23' (2 to 7 m) covered by one sensor (no need for multiple sensors at different heights)
  - Operating temperature range of -22° F to +140° F (-30° C to +60° C) is ideal for cold storage applications
  - Quick & easy setup: bi-directional remote control & user-friendly function menus
  - Ideal substitute for in-ground loops

### Applications



**Fire Stations:** Pulse on exit signals the door to close precisely after vehicles leave. Protect vehicles & doors, save time & energy, and keep unattended fire stations secure.



**Car Dealerships:** Automatic doors provide a friendly and welcoming environment to customers and allows for efficient flow of vehicles in high-traffic areas. People/vehicle separation increases safety & security.

## RC Duo 2

### Bi-directional Remote Control



- Bi-directional operation: illumination of specific buttons provides instant confirmation of programmed function and value
- Rugged design with large, highly visible buttons
- Conveniently program all functions from the ground
- Configure any Hercules 2/2s sensor with the same remote - also compatible with several other Bircher Reglomat sensors
- Multiple address feature allows programming of a single sensor, even in close proximity to other sensors
- Automatic off feature extends battery life



**Warehouses:** Move goods efficiently and reduce accidents by implementing forklift traffic systems.



**Loading Docks:** Two separate outputs can activate doors as well as a lighting system to aid drivers approaching the dock.



**Parking Garages:** Optimize traffic flow. People/vehicle differentiation increases security and safety. Ideal ground loop alternative.



**Car Wash Entrances:** The weatherproof housing stands up to tough environments. Increase customer satisfaction through efficient traffic flow.





**Cold Storage Facilities:** Conserve energy in the facility. Operating temperature range allows for use in cold environments. Quick reaction time for use with high speed doors.




**Gates:** Ideal ground loop alternative that is easy to install and program. Tilt bracket and optional extension bracket allow precise positioning.




# Order Details


Part no.	Description	
<b>306839</b>	<b>Hercules 2s</b> Microwave motion sensor for industrial doors	
<b>991005</b>	<b>RC Duo 2</b> Bi-directional remote control	

# Optional Accessory


Part no.	Description	
<b>991010</b>	<b>Extension Mounting Bracket</b> For additional installation flexibility	

# Supplementary Products

ClickLine/CoverLine	
Electrical sensing edges for safeguarding closing edges of industrial doors & gates	

PrimeScan A	
Infrared safety curtain for safety of door openings and machinery danger zones	

ProLoop 2	
Loop detector for monitoring industrial door & gate induction ground loop systems	

ESGate	
Safety controller for monitoring electrical safety edges on doors & gates	

**For more information:**  
[www.devancocanada.com](http://www.devancocanada.com)  
 or call toll free at 855-931-3334

# Technical Data

Physical Data	
<b>Mounting height</b>	6'6" to 23' (2 to 7 m)
<b>Connection type</b>	23' (7m) cable 6x AWG 26 (0.14 mm <sup>2</sup> )
<b>Housing material</b>	Black anodized aluminium with polycarbonate cover
<b>Dimensions</b>	5 ¼" x 3 ¼" x 3" (134 x 82 x 75 mm)
<b>Weight</b>	1.8 lb (820 g) including cable

Technical Data	
<b>Technology</b>	Doppler radar with planar module
<b>Transmitting frequency</b>	24.05 – 24.25 GHz
<b>Transmitting power</b>	< 20 dBm
<b>Max. detection speed</b>	16 mph (25 km/h) for vehicles

Electrical Data	
<b>Operating voltage</b>	10 – 28 V AC, 12 – 36 V DC
<b>Operating current</b>	Max. 75 mA
<b>Outputs</b>	Relay
<b>Switching voltage</b>	Max. 48 V AC/DC
<b>Switching current</b>	Max. 0.5 A AC

Environmental Conditions	
<b>Protection class (EN 60529)</b>	NEMA 4 (IP65)
<b>Temperature range</b>	–22°F to +140°F (–30°C to +60°C)
<b>Air humidity</b>	0% to 95% relative, without condensation

Standards	
<b>Approvals</b>	FCC / IC / CE 0682 !
<b>Suitable for the following countries</b>	US, CA, EU, EFTA

**Note**  
 Technical details and recommendations on our products are based upon experience and represent guidelines for the user. Details in brochures and specification sheets do not guarantee any special product features, apart from those which we confirm in individual cases. We reserve the right to make changes as the result of technical developments.